

Sub 31

- ~~Sub a17 7. An isolated DNA molecule having a nucleotide sequence of SEQ ID NO: 2 or SEQ ID NO: 14, or encoding a protein or polypeptide of claim 1.~~

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Sub  
a27

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Sub  
a2

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15 Sub  
a4

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$$su_{a5}^3$$

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19. An expression system comprising an expression vector into which is inserted a heterologous DNA molecule of claim 7.

Sub B3 >  
20. The expression system of claim 19, wherein the heterologous DNA molecule is inserted in sense orientation.

5 21. The expression system of claim 19, wherein the heterologous DNA molecule is inserted in antisense orientation.

Sub A67 ~~22. A host cell transformed with a heterologous DNA molecule of claim 7.~~

10 23. The host cell of claim 22, wherein the host cell is selected from the group of *Agrobacterium vitis* and *Agrobacterium tumefaciens*.

24. The host cell of claim 22, wherein the host cell is a grape cell or a citrus cell.

15 ~~Sub A77 25. A transgenic plant or transgenic plant component comprising the DNA molecule according to claim 7.~~

20 26. The transgenic plant or transgenic plant component of claim 25, wherein said transgenic plant component is a scion.

27. The transgenic plant or transgenic plant component of claim 25, wherein said transgenic plant component is a rootstock.

25 28. The transgenic plant or transgenic plant component of claim 25, wherein said transgenic plant component is a somatic embryo.

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*Sub 29*  
~~29. A method of conferring viral disease resistance to a plant or plant component, said method comprising the steps of :~~

(a) transforming a plant cell with a DNA molecule according to claim 7 which is expressed in said plant or plant component; and

5 (b) regenerating a transgenic plant or transgenic plant component from said plant cell.

30. The method of claim 29, wherein said plant or plant component is resistant to a grapevine leafroll virus selected from the group of GLRaV-1, GLRaV-2, 10 GLRaV-3, GLRaV-4, GLRaV-5, and GLRaV-6.

31. The method of claim 29, wherein said plant or plant component is resistant to a beet yellows virus, lettuce infectious yellows virus, or citrus tristeza virus.

15 32. An antibody or binding portion thereof or probe recognizing the protein or polypeptide according to claim 1.

33. A method for detecting a virus in a sample, said method comprising:  
20 (a) contacting a sample with the antibody of claim 32 under conditions that allow for complex formation between said antibody and said virus; and  
(b) detecting said complexes as an indication that said virus is present in said sample.

*Sub 34*  
~~34. A method for detecting a viral nucleic acid molecule in a sample, said method comprising:~~

(a) contacting a sample with the DNA of claim 7 or a fragment thereof under conditions that allow for complex formation between said DNA and said virus; and

30 (b) detecting said complexes as an indication that said virus is present in said sample.

*add  
a2 }*